

LABOR SERVICES DIVISION[875]

Notice of Intended Action

Twenty-five interested persons, a governmental subdivision, an agency or association of 25 or more persons may demand an oral presentation hereon as provided in Iowa Code section 17A.4(1)"b."

Notice is also given to the public that the Administrative Rules Review Committee may, on its own motion or on written request by any individual or group, review this proposed action under section 17A.8(6) at a regular or special meeting where the public or interested persons may be heard.

Pursuant to the authority of Iowa Code section 89A.3, the Elevator Safety Board hereby gives Notice of Intended Action to rescind Chapter 71, "Administration," and adopt new Chapter 71, "Administration of the Conveyance Safety Program"; to amend Chapter 72, "New Installations," and Chapter 73, "Existing Conveyances"; and to rescind Chapter 75, "Fees," and Chapter 76, "Permits," Iowa Administrative Code.

These amendments rescind unnecessary and obsolete provisions; reorganize many existing rules; significantly change the rules governing safety tests; adopt a procedure to verify that hazards have been corrected without the need for reinspection in some cases; allow a controller upgrade permit in certain, narrowly defined circumstances; make technical and editorial corrections; establish rules for the extension of installation and alteration permits; adopt new provisions for the inspection of moving walks and escalators; increase the fees for inspection of moving walks and escalators; and change the rules concerning inspection scheduling.

The purposes of these amendments are to protect the safety of the public, facilitate the upgrading of older elevator controls, make more efficient use of inspectors' time, make the rules more current and easier to read, enhance conveyance safety by improving inspection and safety test procedures, align the language concerning inspection scheduling with the statutory authority, and implement legislative intent.

If requested in accordance with Iowa Code section 17A.4(1)"b" by the close of business on April 28, 2009, a public hearing will be held on April 29, 2009, at 1:30 p.m. in the Capitol View Room at 1000 East Grand Avenue, Des Moines, Iowa. Interested persons will be given the opportunity to make oral statements and file documents concerning the proposed amendments. The facility for the oral presentations is accessible to and functional for persons with physical disabilities. Persons who have special requirements should call (515)242-5869 in advance to arrange access or other needed services.

Written data, views, or arguments to be considered in adoption shall be submitted by interested persons no later than April 29, 2009, to Division of Labor Services, 1000 East Grand Avenue, Des Moines, Iowa 50319-0209. Comments may be sent electronically to kathleen.uehling@jwd.iowa.gov.

These amendments are intended to implement Iowa Code chapter 89A.

The following amendments are proposed.

ITEM 1. Rescind 875—Chapter 71 and adopt the following **new** chapter in lieu thereof:

CHAPTER 71

ADMINISTRATION OF THE CONVEYANCE SAFETY PROGRAM

875—71.1(89A) Definitions. The definitions contained in this rule shall apply to 875—Chapters 71, 72, and 73.

"*AECO*" means an elevator/escalator certification organization accredited pursuant to ASME A17.7.

"*Approved*" means approved by the division.

"*CCD*" means code compliance documentation as described in ASME A17.7, Section 2.10.

"*CEI*" means a person who is a certified elevator inspector or a certified elevator inspector supervisor pursuant to ASME QEI-1-2007.

"*Control*" means the system governing the starting, stopping, direction of motion, acceleration, speed and deceleration of the moving member.

“*Conveyance*” means any elevator, escalator, dumbwaiter, wind tower lift, CPH, or other equipment governed by Iowa Code chapter 89A.

“*CPH*” means a construction personnel hoist.

“*CPH extension*” means the act or process of increasing the range of travel for a CPH.

“*Division*” means the labor services division of the workforce development department.

“*Elevator*” means a hoisting and lowering mechanism equipped with a car or platform which moves in guides in a substantially vertical direction and which serves two or more floors of a building or structure. “Elevator” does not include a CPH.

“*Elevator mechanic*” means a person who meets the standard for “elevator personnel” found in ASME A17.1.

“*Hoistway-unit system*” means a series of hoistway-door interlocks, hoistway-door electric contacts or hoistway-door combination mechanical locks and electric contacts, or a combination thereof, the function of which is to prevent operation of the driving machine by the normal operating device unless all hoistway doors are in the closed position and, if required, locked.

“*Major alteration*” means an alteration for which rule 71.10(89A) requires that the entire conveyance comply with current codes.

“*Wind tower lift*” means a conveyance designed and utilized solely for movement of trained and authorized people and small loads in wind towers built for the production of electricity.

875—71.2(89A) Registration of conveyances. The owner or authorized agent of each operable conveyance not previously registered shall register the conveyance. An application to install a new conveyance shall constitute registration. All registrations shall be submitted to the commissioner on forms available from the division of labor services and shall include all information requested by the labor commissioner.

875—71.3(89A) State identification number. The commissioner shall assign an identification number to each conveyance that shall be stamped on a metal tag permanently attached to the controller, to the electrical disconnecting switch, or in a wind tower lift cage.

875—71.4(89A) Responsibility for obtaining permits. The procuring of all permits and the payment of all fees required by this chapter shall be the responsibility of the owner. Failure to obtain the appropriate permit prior to installation, alteration or operation may, at the discretion of the labor commissioner, result in a referral to the attorney general for prosecution of criminal penalties as described in Iowa Code section 89A.17.

875—71.5(89A) Installation permits.

71.5(1) Installation shall not begin until an installation permit has been issued by the division. A separate installation permit shall be issued for each conveyance, except that a single installation permit shall cover all identical wind tower lifts installed as the result of one construction contract in identical wind towers in a single wind farm.

71.5(2) Application for an installation permit shall be accompanied by the fee specified in rule 71.16(89A), shall be in the format required by the labor commissioner, and shall include the following, as applicable:

- a. Sectional plan of car and hoistway.
- b. Sectional plan of machine room.
- c. Sectional elevation of hoistway and machine room including the pit, bottom and top clearance of car and counterweights.
- d. Size and weight of rails and guide rail bracket spacing.
- e. The estimated maximum vertical forces on the guide rails on application of the safety device.
- f. In the case of freight elevators for class B or class C loading, the horizontal forces on the guide rail faces during loading and unloading and the estimated maximum horizontal forces in a post-wise direction on the guide rail faces on the application of the safety device.

- g. The size and weight per foot of any rail reinforcements where rail reinforcements are provided.
- h. Job specifications.
- i. For a conveyance covered by ASME A17.7, a complete copy of the CCD with attachments and a complete copy of the Certificate of Conformance with attachments as described by ASME A17.7, Appendix I, Section 4.5.
- j. For a CPH, the number of CPH extensions planned, the planned dates for each CPH extension, and the number of new floors anticipated with each CPH extension.

71.5(3) A CPH installation permit issued in response to an application submitted in full compliance with this subrule permits each planned CPH extension. Each CPH extension shall be considered an alteration. The fee submitted for a CPH installation permit shall be the total of the CPH installation permit fee as set forth in subrule 71.16(3) and the CPH alteration permit fee as set forth in subrule 71.16(4).

71.5(4) Issuance of an installation permit shall not be construed as a waiver or variance of any requirement of law.

71.5(5) The installation permit or a copy of the installation permit shall be conspicuously posted at the worksite. All the wind towers covered by a single installation permit shall be considered a single worksite, and posting one copy of the installation permit at the construction project office shall be sufficient compliance with this subrule.

71.5(6) Except as described in paragraphs 71.5(6) “a” and “b,” the installation permit shall expire upon the earlier of the completion of the installation as described in the permit application or one year after issuance.

a. For a CPH, the installation permit shall expire upon completion of the last CPH extension.

b. For any conveyance, during the tenth month after issuance, and upon submission to the labor commissioner of sufficient justification, the fee established by this chapter, and other required information, an extension may be granted at the discretion of the labor commissioner.

875—71.6(89A) Construction permits. A construction permit authorizes the temporary, limited use of an elevator for purposes relating to construction or demolition.

71.6(1) Use of the elevator shall not begin until a construction permit has been issued by the division.

71.6(2) Application for a construction permit shall be in the format required by the labor commissioner and must include all the information requested by the labor commissioner and the fee specified by this chapter.

71.6(3) Upon submission of the completed application and fee, a state inspector shall be scheduled to inspect the elevator. Construction permits shall be issued only if the following criteria are met:

a. The elevator has been successfully tested pursuant to the requirements of ASME A17.1, Section 8.11.5.13; and

b. The applicable requirements of ASME A17.1, Section 5.10, are met.

71.6(4) The construction permit or a copy of the construction permit shall be posted conspicuously in a protective sleeve in the elevator car.

71.6(5) The construction permit shall expire 120 days after issuance. However, between 90 and 110 days after issuance and upon submission to the labor commissioner of sufficient justification, the fee established by this chapter, and other required information, an extension of up to 90 days may be granted at the discretion of the labor commissioner.

71.6(6) Elevators with a construction permit but without an operating permit shall not be accessible to the general public.

71.6(7) Failure to comply with these provisions may result in the revocation of the construction permit.

71.6(8) An operating permit shall not be issued before construction and an acceptance inspection are complete.

875—71.7(89A) Operating permits.

71.7(1) Operation of equipment covered by this chapter without a current operating permit is prohibited, except as authorized by rules 71.6(89A) and 71.8(89A).

71.7(2) Operating permits shall not be issued prior to successful completion of an inspection pursuant to rule 71.11(89A) and payment of all permit and inspection fees owed to the division.

71.7(3) Current operating permits or copies of current operating permits shall be conspicuously displayed as follows:

a. The operating permit for an elevator or CPH shall be posted in the car.

b. The operating permit for an escalator, dumbwaiter, wind tower lift, moving walk, or wheelchair lift shall be posted on or near the subject conveyance.

71.7(4) An operating permit shall expire 60 days after the first permit renewal inspection following the issuance of the operating permit, unless an earlier date is dictated by this rule.

71.7(5) An operating permit is automatically suspended when construction is initiated to alter less than or equal to 50 percent of an elevator as calculated pursuant to rule 71.9(89A). The operating permit automatically resumes when the elevator passes an inspection pursuant to rule 71.11(89A).

71.7(6) An operating permit is automatically terminated when a major alteration is initiated on the conveyance. A new operating permit shall be issued upon successful completion of the major alteration and acceptance inspection.

71.7(7) An operating permit is automatically terminated when an imminent danger notice is posted on the conveyance.

71.7(8) Notwithstanding other provisions of this rule, at the discretion of the labor commissioner, a temporary operating permit may be issued for up to 30 days provided the inspection has been completed and no code violations were identified. Issuance of a temporary operating permit does not extend the expiration date of the conveyance's operating permit.

875—71.8(89A) Controller upgrade permits. A controller upgrade permit may be issued to allow operation of an elevator while work to upgrade controls requires deactivation of the Phase I recall initiated by smoke sensing devices. Each elevator to be altered requires a separate controller upgrade permit. The duration of a controller upgrade permit shall not exceed 90 days. Each elevator in the group shall pass inspection pursuant to rule 71.11(89A) prior to being placed back into service.

71.8(1) A controller upgrade permit shall not be issued unless each of the following conditions is met:

a. Two or more elevators share a lobby at the level of the recall floor.

b. The project includes the installation of new elevator controllers in all of the elevators in the group.

c. Phase I fire recall initiated by a key-operated switch and all other controls shall be properly functioning for each elevator available for use.

d. There is a current alteration permit for the project.

e. A complete application for the controller upgrade permit and the fee established by this chapter have been submitted and accepted.

71.8(2) A controller upgrade permit shall not be construed to waive or excuse compliance with the requirements of any other governmental entity, including the department of public safety.

71.8(3) Upon the submission to the labor commissioner of sufficient justification, the fee established by this chapter, and other required information, an extension of the permit for up to 60 days may be granted.

875—71.9(89A) Alteration permits.

71.9(1) Alteration shall not begin until an alteration permit has been issued by the division.

71.9(2) Application for an alteration permit shall be in the format required by the labor commissioner and shall include drawings and specifications of all planned changes and the fee specified by rule 71.16(89A).

71.9(3) Issuance of an alteration permit shall not be construed as a waiver or variance of any requirement of law.

71.9(4) The alteration permit or a copy of the alteration permit shall be conspicuously posted at the worksite.

71.9(5) If a complete installation permit application was submitted for a CPH pursuant to subrule 71.5(3), at least seven days' advance notice of each CPH extension shall be provided to the labor commissioner. For a CPH installed without an installation permit prior to July 1, 2008, a completed alteration permit application shall be submitted to the labor commissioner at least seven days before each CPH extension.

71.9(6) The alteration permit shall expire upon the earlier of the completion of the alteration as described in the permit application or 120 days after issuance. However, between 90 and 110 days after issuance and upon submission to the labor commissioner of sufficient justification and other required information, an extension of the alteration permit may be granted at the discretion of the labor commissioner.

875—71.10(89A) Alterations. Alterations or changes shall comply with rule 875—72.13(89A) or rule 875—73.8(89A), as applicable. A conveyance that is relocated shall be brought into compliance with all codes that are applicable at the time of relocation.

71.10(1) Elevators. When any combination of alterations or changes is made that constitutes more than 50 percent of the elevator, the entire elevator shall be brought into compliance with ASME A17.1-2007/CSA B44-07, and it shall be deemed a new elevator.

a. Alterations or changes constitute more than 50 percent of the construction if they exceed 50 percent of the total points according to the following table:

Elevator Component	Hydraulic	Traction
Controller	31	26
Floor selector	4	8
Drive-MG-SCR	-	13
Main machine	-	15
Machine motor	5	7
Hoist ropes	4	8
Governor	4	7
Platform	9	9
Car fixtures	9	8
Cab	10	10
Safeties	6	7
Door operator	12	12
Hoistway door panels	11	10
Hoistway door frames	11	10
Hoistway hangers & tracks	11	11
Hoistway door locks	8	9
Traveling cable	6	9
Hoistway wiring	8	6
Hall fixtures	8	10
Buffers	6	6
Counterweight	4	7
Rails & brackets	10	18
Car & counterweight guides	6	6
Pump	9	-

Valve	9	-
Tank	9	-
Plunger	14	-
Cylinder	18	-
Total Points	242	232

b. If an elevator does not have one or more of the components in the chart above, and those components will not be added to the elevator during the alteration, the points for the component(s) shall be subtracted from the total points before a determination is made about whether the alteration or change constitutes 50 percent.

71.10(2) Conveyances other than elevators. With the exception of replacing brushes on or adding brushes to escalators, all alterations of conveyances other than elevators shall require that the entire conveyance be brought into compliance with the current code.

875—71.11(89A) Inspections. Pursuant to Iowa Code section 89A.12, inspections by the labor commissioner’s designee shall be permitted at reasonable times with or without prior notice.

71.11(1) Scope of inspections.

a. *Comprehensive.* Periodic inspections shall be comprehensive. Conveyances subjected to major alterations, elevators being transferred from construction permits to operating permits, previously dormant conveyances being returned to service, relocated conveyances, and new conveyances shall be inspected in their entirety prior to operation.

b. *Limited.* The scope of an inspection after an alteration other than a major alteration shall be determined by rule 875—72.13(89A) or 875—73.8(89A), as applicable. However, if the inspector notices a safety hazard in plain view outside the altered components, or if the periodic inspection is due, the entire conveyance shall be inspected.

71.11(2) When inspections will occur.

a. *Periodic inspections.*

(1) Conveyance inspections by state inspectors shall be conducted annually unless the labor commissioner determines resources do not allow annual inspections. If the labor commissioner determines annual inspections of state-inspected conveyances are not feasible due to insufficient resources, the labor commissioner shall determine the inspection schedule.

(2) Conveyance inspections by special inspectors shall be conducted at least annually.

b. *Acceptance inspections.* An acceptance inspection shall occur:

- (1) After each relocation,
- (2) After each alteration,
- (3) After each installation,
- (4) Before an elevator subject to a construction permit receives an operating permit, and
- (5) Before a previously dormant conveyance is returned to service.

c. *Other inspections.* Inspections may be made when the commissioner reasonably believes that a conveyance is not in compliance with the rules. Accidents, complaints, or requests for consultative inspections may result in inspections by the labor commissioner’s designee.

71.11(3) Who may perform inspections.

a. The labor commissioner’s designee shall inspect altered conveyances, previously dormant conveyances being returned to service, wind tower lifts exempted from ASME A17.1 by rule 875—72.12(89A), relocated conveyances, and new conveyances.

b. Except as noted in 71.11(3)“c,” annual inspections may be performed by state inspectors or special inspectors authorized by the labor commissioner pursuant to rule 71.12(89A).

c. An inspection report by a special inspector shall not be accepted as the required, annual inspection if the conveyance is under contract for maintenance, installation or alteration by the special inspector or the special inspector’s employer, or if the property is owned or leased by the special inspector or the special inspector’s employer.

71.11(4) Inspection standards. Inspections shall be performed in accordance with applicable safety codes or documents such as:

- a. CCD;
- b. ASME A17.1, Sections 8.10 and 8.11, except Section 8.11.1.1;
- c. ANSI A10.4-2007;
- d. Rule 875—72.12(89A) for wind tower lifts exempted from ASME A17.1 by rule 875—72.12(89A); or
- e. ASME A18.1.

71.11(5) Inspection reports.

a. All inspectors shall file inspection reports on forms approved by the commissioner within 30 days from the date of inspection and shall provide owners of conveyances with copies of completed inspection reports. The inspection report must separately list each unsafe condition and the applicable, specific code citation. Up to 30 days shall be allowed for correction of the unsafe conditions.

b. The owner may file a petition for reconsideration of an inspection report pursuant to 875—Chapter 69. The timely and proper filing of a petition for reconsideration extends the deadline for correction of the hazards that are subject to the petition for reconsideration.

71.11(6) Extension of time. The owner may petition the commissioner for up to 60 additional days to make the necessary corrections. The time frames set forth in subrule 71.11(7) may be adjusted by the labor commissioner as necessary to accommodate an extension of time.

71.11(7) Correction of unsafe conditions. In the absence of a determination on reconsideration or appeal that correction of hazards is not required, all unsafe conditions identified in the inspection report shall be corrected. The labor commissioner shall verify correction of all unsafe conditions identified in the inspection report by sending a state inspector to reinspect the conveyance for the fee set forth in rule 71.16(89A), or by reviewing appropriate documentation such as a photograph, invoice, other verifiable document, or subsequent inspection report. The time frames set forth in this subrule may be accelerated at the request of the owner.

a. Promptly upon receipt of an inspection report listing unsafe conditions, the labor commissioner will send to the owner and the special inspector, if any, an abatement order. A copy of the inspection report shall be attached to the abatement order. Unless a special inspector conducted the inspection, the order may specify a period that ends no more than 45 days after the inspection during which the owner may submit written evidence that the unsafe conditions have been corrected. The abatement order shall:

- (1) Identify the equipment.
- (2) Demand that the unsafe conditions be corrected within the period set forth in the inspection report.
- (3) Set forth the consequences of failure to comply.

b. After the period specified on the inspection report has passed, the labor commissioner may cause a state inspector to verify correction of all unsafe conditions. If reinspection reveals no significant progress toward correcting the unsafe conditions, or the remaining unsafe conditions create significant safety concerns, the labor commissioner may serve a notice of intent to suspend, deny or revoke the operating permit.

c. The labor commissioner may issue an operating permit after receipt of the appropriate fee and verification that each unsafe condition identified in the inspection report has been corrected.

d. If written proof of correction was requested in the abatement order, but adequate proof was not received by the deadline set forth in the abatement order, the labor commissioner may send a second abatement order or cause a state inspector to inspect the conveyance. If the labor commissioner elects to send a second abatement order, it shall notify the owner that, if written proof of abatement is not received within 20 days, a state inspector may be sent to the site. Copies of the abatement order and the inspection report shall be attached to the second abatement order.

e. If a special inspector conducted the inspection, more than 45 days have passed since the deadline for correction of hazards, and an inspection report indicating the hazards are corrected has not been filed, the labor commissioner may contact the special inspector, send a second abatement order to the owner,

or send a state inspector to inspect the conveyance. Copies of the abatement order and the inspection report shall be attached to a second abatement order.

f. If an inspection as described in paragraph 71.11(7) “*d*” or “*e*” reveals no significant progress toward correcting the unsafe conditions, and the remaining unsafe conditions create no significant safety concerns, the labor commissioner may extend the time for abatement of the unsafe conditions an additional 10 days or may serve a notice of intent to suspend, deny or revoke the operating permit. The labor commissioner may also post a notice prohibiting use of the conveyance pending abatement of the unsafe conditions listed in the inspection report.

g. Procedures for appeal of a notice of intent to suspend, deny or revoke an operating permit are set forth in 875—Chapter 69.

71.11(8) *Imminent danger.* If the labor commissioner determines that continued operation of a conveyance pending correction of unsafe conditions creates an imminent danger, the labor commissioner shall post notice on the conveyance that it is not to be used pending repairs. Use of a conveyance contrary to posted notice by the labor commissioner may result in additional legal proceedings pursuant to Iowa Code section 89A.10(3) or 89A.18. The conveyance may be returned to service only after the imminent danger has been corrected and the conveyance has passed a comprehensive inspection.

71.11(9) *Interference prohibited.* No person shall interfere with, delay or impede an inspector employed by the state during an inspection.

875—71.12(89A) Reserved.

875—71.13(89A) State employees. ASME A17.1, Rule 8.11.1.1, shall not apply to inspectors who were hired before January 2005 and are state employees.

875—71.14(89A) Safety tests. Only safety test reports submitted on approved forms from elevator mechanics who are employed by authorized companies shall be considered to meet the requirements of this rule.

71.14(1) *When safety tests will be performed.*

a. Safety tests shall be performed on new and altered installations before they are placed in service.

b. Annual, three-year, and five-year safety tests shall be made on all conveyances pursuant to the schedules and procedures set forth in:

(1) The maintenance control plan for wind tower lifts exempted from ASME A17.1 by rule 875—72.12(89A);

(2) The CCD for conveyances covered by ASME A17.7-2007/CSA B44-07;

(3) ASME A17.1-2007/CSA B44-07, Part 8, (except for Rule 8.11.1.1);

(4) ASME A18.1(2003), Part 10; or

(5) ANSI A10.4-2007, Section 26.4.

71.14(2) *How safety tests will be reported.* Within 30 days after completion of a safety test, the elevator mechanic shall file with the labor commissioner a report on an approved form and shall provide a copy of the form to the owner and to the witness, if applicable.

71.14(3) *How safety tests will be recorded.* The elevator mechanic shall attach a tag showing the date of the test, the elevator mechanic’s name, and the type of test performed.

a. On electric traction elevators, the elevator mechanic shall attach the tag to the safety-releasing carrier.

b. On hydraulic elevators, the elevator mechanic shall attach the tag to the disconnecting switch or the controller.

c. On wheelchair lifts, the elevator mechanic shall attach the tag to the disconnecting switch.

d. On other conveyances covered by these rules, the commissioner’s designee witnessing the acceptance safety test shall indicate the proper location of the tag. Subsequent test tags shall be attached in the same location.

875—71.15(89A) Authorized companies.

71.15(1) Each year, authorized companies shall train their elevator mechanics who perform safety tests on safety test procedures.

71.15(2) For each conveyance owned by an authorized company, the owner shall obtain the services of a CEI who is not employed by the authorized company or an inspector employed by the state to witness the safety test.

71.15(3) To become authorized to perform safety tests, a company shall submit a copy of its procedures for performing safety tests. The labor commissioner shall review the procedures for adequacy and shall request modifications to the procedures or grant or deny the authorization.

71.15(4) Every five years or within six months after the board adopts a new edition of ASME, whichever is earlier, authorized companies shall submit revised safety test procedures for renewal of authorization. The labor commissioner shall review the procedures for adequacy and shall request modifications to the procedures or grant or deny the authorization.

71.15(5) Investigations. Investigations shall take place at the times and in the places the labor commissioner directs. The labor commissioner may investigate for any reasonable cause. The labor commissioner may conduct interviews and utilize other reasonable investigatory techniques. Investigations may be conducted without prior notice.

71.15(6) Suspension. If the labor commissioner determines that a falsified safety test report was submitted by an elevator mechanic, the labor commissioner shall suspend the authorization of the elevator mechanic's employer for six months. During the suspension, all safety tests performed by any employee of the authorized company shall be witnessed by a state inspector or a CEI who is not employed by the suspended authorized company.

71.15(7) Suspension procedures.

a. The labor commissioner shall notify an authorized company of its suspension by certified mail or by other service as permitted by Iowa Code chapter 17A.

b. The authorized company shall have 20 days to file a written notice of contest with the labor commissioner. If the authorized company does not file a written notice of contest in a timely manner, the suspension shall automatically be effective. If the authorized company does file a written notice of contest in a timely manner, the hearing procedures in 875—Chapter 1 shall govern.

c. If the labor commissioner finds, pursuant to Iowa Code section 17A.18A, that public health, safety or welfare imperatively requires emergency action, the authorization may be summarily suspended.

875—71.16(89A) Fees. Except as noted below, all fees are nonrefundable and due in advance.

71.16(1) *Operating permits.* The annual operating permit fee shall be \$50 per conveyance.

71.16(2) *Annual inspections.* Fees shall be remitted to the division of labor services within 30 days of the date of inspection. The fees for annual inspections shall be as follows:

a. Elevators (except wind tower lifts exempted from ASME A17.1 by rule 875—72.12(89A), television tower elevators and hand-powered elevators): \$75.

b. Escalators: \$75.

c. Moving walks: \$75.

d. Dumbwaiters: \$60.

e. Hand-powered elevators: \$60.

f. Wheelchair lifts: \$60.

g. Television tower elevators: \$300.

h. Wind tower lifts exempted from ASME A17.1 by rule 875—72.12(89A): \$150.

i. CPHs: \$300

71.16(3) *Installation permits.* The fees in this subrule cover the initial print review, installation permit, initial inspection and first-year operating permit. Each print revision submitted to the division shall be subject to an additional fee of \$50. The fees for new installations shall be as follows:

a. Elevators (except wind tower lifts exempted from ASME A17.1 by rule 875—72.12(89A)) and CPHs up to and including four landings: \$500.

- b. Elevators (except wind tower lifts exempted from ASME A17.1 by rule 875—72.12(89A)) and CPHs with five or more landings: \$600.
- c. Escalators: \$500.
- d. Moving walks: \$500.
- e. Dumbwaiters: \$350.
- f. Wheelchair lifts: \$350.
- g. Wind tower lifts exempted from ASME A17.1 by rule 875—72.12(89A): \$250 per lift.

71.16(4) Alteration permits.

a. The fees in paragraph 71.16(4) “b” cover the initial print review, alteration permit, and initial inspection for all objects except CPHs. For major alterations, the new operating permit fee is also included in the fee set forth in this subrule.

b. The table in rule 71.10(89A) shall be used to determine the change percentage for elevator alterations. The fees for elevator alterations shall be as follows:

- (1) For alterations up to and including 25 percent: \$200.
- (2) For alterations of 26 percent up to and including 50 percent: \$400.
- (3) For alterations over 50 percent, the fees for new installations shall apply.

c. For all conveyances other than elevators, the fees for new installations shall apply to alterations.

d. For each CPH installed after July 1, 2008, the fee for each CPH extension shall be \$150. The total fee required for all planned CPH extensions shall be submitted with the installation permit application pursuant to subrule 71.5(3).

e. For CPHs installed prior to July 1, 2008, and extended to additional floors on or after July 1, 2008, the combined fee for the alteration inspection and alteration permit shall be \$150.

71.16(5) Construction permits. The construction permit fee shall be \$100 per conveyance. This fee includes the fee for initial inspection.

71.16(6) Controller upgrade permits. The controller upgrade permit fee shall be \$200. This fee includes one inspection.

71.16(7) Consultative inspections. Consultative inspections may be performed at the discretion of the labor commissioner.

a. The consultative fee for each wind tower lift exempted from ASME A17.1 by rule 875—72.12(89A) shall be \$150.

b. The consultative fee for each CPH shall be \$300.

c. The consultative fee for each tower elevator shall be \$300.

d. The consultative fee for all other conveyances shall be \$100 per hour, including travel time, with a minimum charge of \$200.

71.16(8) Special inspector commission. The special inspector commission fee shall be \$60 annually.

71.16(9) Witnessing safety tests. The fee for division employees to witness safety tests shall be \$100 per hour, including travel time, with a minimum charge of \$200.

71.16(10) Permit extensions. The fee to extend an installation permit, alteration permit, or construction permit shall be \$50.

71.16(11) Inspections outside of normal business hours. Inspections outside the normal business hours may be performed at the discretion of the labor commissioner. If the owner or contractor requests an inspection outside of normal business hours and the labor commissioner agrees to the schedule, an additional fee will be charged. The additional fee will be calculated at a rate of \$100 per hour, including travel time, with a minimum charge of \$200.

71.16(12) Reinspections. The fees for reinspections are \$300 for television tower elevators and CPHs, \$150 for wind tower lifts, and \$200 for all other conveyances.

875—71.17(89A) Publications available for review. Standards, codes, and publications adopted by reference in these rules are available for review in the office of the Division of Labor Services, 1000 E. Grand Avenue, Des Moines, Iowa 50319.

875—71.18(89A) Other regulations affecting elevators. Regulations concerning accessibility of buildings and conveyances available to the public are found at 661—Chapter 302. Regulations governing the safety and health of employees who work in and around elevators are found at 875—Chapters 2 to 26. Iowa Code chapter 91C and 875—Chapter 150 apply to companies that alter and install conveyances. No rule in 875—Chapters 71 to 73 shall be interpreted as creating an exemption, waiver, or variance from any otherwise applicable regulation or statute.

875—71.19(89A) Accidents.

71.19(1) Reporting the accident. The owner shall immediately notify the commissioner of each personal injury accident requiring the service of a physician or causing disability exceeding one day or causing damage to the conveyance exceeding \$2,000. Notification shall be in writing and shall include the state identification number, owner, and description of accident.

71.19(2) Securing the accident site pending investigation. The removal of any part of the damaged conveyance or operating mechanism from the premises is forbidden until permission to do so is granted by the commissioner.

71.19(3) Putting the conveyance back into operation. When an accident involves the failure or destruction of any part of the conveyance or its operating mechanism, the use of the conveyance is forbidden until it has been made safe, until it has been reinspected, and until any repairs or alterations have been approved by the commissioner.

These rules are intended to implement Iowa Code chapters 89A, 252J, 261 and 272D.

ITEM 2. Amend **875—Chapter 72**, title, as follows:

NEW INSTALLATIONS CONVEYANCES INSTALLED ON OR AFTER JANUARY 1, 1975

ITEM 3. Rescind rule 875—72.1(89A) and adopt the following **new** rule in lieu thereof:

875—72.1(89A) Purpose and scope. This chapter contains safety standards covering the design, construction, installation, operation, inspection, testing, maintenance, alteration and repair of conveyances installed on or after January 1, 1975. The rules of this chapter also apply to previously dormant conveyances that are being reactivated, and to reinstalled or moved conveyances. As used in this rule, the word “installation” refers to the date on which a conveyance contractor enters into a contractual agreement pertaining to a conveyance.

72.1(1) For installations between January 1, 1975, and December 31, 1982, ANSI A17.1 shall mean ANSI A17.1 (1971).

72.1(2) For installations between January 1, 1983, and December 31, 1992:

a. ANSI A17.1 shall mean ANSI A17.1 (1981); and

b. ANSI A117.1 shall mean ANSI A117.1 (1980).

72.1(3) For installations between January 1, 1993, and December 31, 2000:

a. ASME A17.1 shall mean ASME A17.1 (1990);

b. ANSI/NFPA 70 shall mean ANSI/NFPA 70 (1990); and

c. ANSI A117.1 shall mean ANSI A117.1 (1980).

72.1(4) For installations between January 1, 2001, and December 31, 2003:

a. ASME A17.1 shall mean ASME A17.1 (1996 through the 1999 addenda);

b. ASME A18.1 shall mean ASME A18.1 (1999), except Chapters 4, 5, 6, and 7;

c. ANSI A117.1 shall mean ANSI A117.1 (1998); and

d. ANSI/NFPA 70 shall mean ANSI/NFPA 70 (1999).

72.1(5) For installations between January 1, 2004, and April 4, 2006:

a. ASME A17.1 shall mean ASME A17.1 (2000 through the 2003 addenda);

b. ASME A18.1 shall mean ASME A18.1 (1999 through the 2001 addenda), except Chapters 4, 5, 6, and 7;

c. ANSI A117.1 shall mean ANSI A117.1 (1998); and

d. ANSI/NFPA 70 shall mean ANSI/NFPA 70 (2002).

72.1(6) For installations between April 5, 2006, and July 22, 2008:

- a. ASME A17.1 shall mean ASME A17.1-2004, A17.1a-2005 and A17.1S-2005;
- b. ASME A18.1 shall mean ASME A18.1 (2003), except Chapters 4, 5, 6, and 7;
- c. ANSI A117.1 shall mean ANSI A117.1 (2003), except for Rule 407.4.6.2.2; and
- d. ANSI/NFPA 70 shall mean ANSI/NFPA 70 (2005).

72.1(7) For installations on or after July 23, 2008:

- a. ASME A17.1 shall mean ASME A17.1-2007/CSA B44-07;
- b. ASME A17.7 shall mean ASME A17.7-2007/CSA B44-07;
- c. ASME A18.1 shall mean ASME A18.1 (2003), except Chapters 4, 5, 6, and 7;
- d. ANSI A117.1 shall mean ANSI A117.1 (2003), except for Rule 407.4.6.2.2; and
- e. ANSI/NFPA 70 shall mean ANSI/NFPA 70 (2005).

ITEM 4. Amend rule 875—72.2(89A) as follows:

875—72.2(89A) Definitions. The definitions contained in ~~Part 1~~ of ASME A17.1, ~~Part 1~~ of ASME A18.1, and ~~Chapter 1~~ of ANSI A117.1, and any other standard adopted herein by reference shall be applicable as used in this chapter to the extent that ~~they~~ the definitions do not conflict with the definitions contained in Iowa Code chapter 89A and these rules. However, the definition of “building code” in ASME A17.1 is modified to exclude the Building Construction and Safety Code (NFPA 5000) and the National Building Code of Canada (NBCC) for any installation after March 1, 2008.

ITEM 5. Rescind and reserve rule **875—72.11(89A)**.

ITEM 6. Adopt the following **new** rule 875—72.13(89A):

875—72.13(89A) Alterations, repairs, replacements and maintenance.

72.13(1) General. All maintenance, repairs, replacements, and alterations shall comply with ASME A17.1-2007/CSA B44-07 or ASME A17.7-2007/CSA B44-07, as applicable, except as noted in 875—subrules 73.8(3) and 73.8(4). Rule 875—71.10(89A) describes alterations which require that the entire conveyance be brought into compliance with the most current codes.

72.13(2) Exemption for button renumbering. All maintenance, repairs and alterations to devices covered by ANSI A117.1 shall comply with ANSI A117.1 (2003), except for Rule 407.4.6.2.2.

72.13(3) Sump pump exemption. The provisions of ASME A17.1-2007/CSA B44-07 and ASME A17.1S-2005, Rule 2.2.2, that require a pit sump or drain shall not apply to an elevator alteration when all of the following criteria are met:

- a. No other code or rule requires that the pit be excavated or lowered.
- b. The alteration plans do not include the excavation or lowering of the pit floor for any other reason.
- c. There is evidence that groundwater has not entered the pit previously.
- d. The location and geology of the building indicate a likelihood that groundwater would enter the pit if the foundation or pit floor were breached to install the pit sump or drain.
- e. A description of alternative means to maintain the pit in a dry condition is provided to the labor commissioner with the alteration permit application.
- f. The labor commissioner approves the alternative means to maintain the pit in a dry condition.
- g. The alternative means to maintain the pit in a dry condition are installed or implemented as described in the alteration permit application.

72.13(4) Pit excavation exemption. The full length of the platform guard set forth in ASME A17.1-2007/CSA B44-07 and ASME A17.1S-2005, Rule 2.15.9.2(a), shall not be required if all of the following criteria are met:

- a. No other code or rule requires that the pit be excavated or lowered.
- b. The alteration plans do not include the excavation or lowering of the pit floor for any other reason.
- c. A full-length platform guard would strike the pit floor when the elevator is on its fully compressed buffer.

d. The clearance between the bottom of the platform guard and the pit floor is 2.5 centimeters (1 inch) when the elevator is on its fully compressed buffer.

72.13(5) Sprinkler retrofits and shunt trip breakers. When a sprinkler is added to a hoistway or machine room, the conveyance shall comply with the following:

a. The installation shall comply with the applicable version of ASME A17.1, Rule 2.8.3.3.

b. The elevator controls shall be arranged to comply with the phase I fire recall provisions of the applicable version of ASME A17.1, Rule 2.27.3.

c. The applicable version of ASME A17.1 shall be determined by reference to rule 875—72.1(89A). For purposes of rule 875—72.13(89A), the relevant subrule of 875—72.1(89A) shall apply based on the date the sprinkler is installed instead of the date the conveyance was installed.

ITEM 7. Amend **875—Chapter 73**, title, as follows:

EXISTING CONVEYANCES INSTALLED PRIOR TO JANUARY 1, 1975

ITEM 8. Rescind rule 875—73.1(89A) and adopt the following **new** rule in lieu thereof:

875—73.1(89A) Scope and definitions.

73.1(1) This chapter establishes minimum safety standards for all conveyances installed prior to January 1, 1975, except material lift elevators. Conveyances installed on or after January 1, 1975, shall conform with the requirements set forth in 875—Chapter 72. Material lift elevators installed prior to January 1, 1975, are not subject to regulation pursuant to Iowa Code section 89A.2.

73.1(2) The definitions contained in ASME (1971) shall be applicable as used in this chapter to the extent that they do not conflict with the definitions contained in Iowa Code chapter 89A or 875—Chapter 71.

ITEM 9. Amend subrule 73.2(4) as follows:

73.2(4) Where freight elevator hoistway doors or gates are of open or lattice construction, they shall be at least 6 feet high and shall come within 2 inches of the floor when closed. Gates shall be constructed as to reject a ball 2 inches in diameter. ~~They shall withstand a force of~~ Doors and gates must be able to withstand 250 pounds of pressure applied in the center of the door or gate without breaking or forcing it out of its being forced out of their guides.

ITEM 10. Amend subrule 73.2(8) as follows:

73.2(8) All hoistway-door interlocks shall ~~be of the~~ function as part of a hoistway-unit type system.

ITEM 11. Amend subrule 73.2(15) as follows:

73.2(15) ~~Except where vertical opening biparting doors are provided, all~~ All elevators ~~provided with that have~~ automatic leveling, inching or teasing devices and ~~where the~~ that are configured with landing sills that project into the hoistway; shall be equipped with a bevel on the underside of the landing sill or the underside of projections found on the bottom section of vertically opening biparting doors. Bevels shall be constructed of smooth concrete or not less than 16-gauge metal securely fastened to the hoistway entrance. Bevels shall extend the full depth of the leveling zone plus 3 inches.

ITEM 12. Amend subrules 73.3(3) and 73.3(4) as follows:

73.3(3) Passenger car enclosure tops shall have an emergency exit with cover. Opening size shall be as set forth in ANSI A17.1, 1971, Rule 204.1E, ~~or later editions of the ASME A17.1 code.~~ EXCEPTION: Hydraulic elevators provided with a manual lowering valve are not required to provide an emergency exit.

73.3(4) Each passenger car shall have a door or gate at each entrance. Doors or gates shall be of the horizontally sliding type. Doors shall be of solid construction. Gates shall be of the collapsible type. Gates and doors shall conform to ANSI A17.1, 1971, Rule 204.4, ~~or later editions of the ASME A17.1 code.~~

ITEM 13. Amend subrule 73.3(7) as follows:

73.3(7) Car door or gate closing force.

a. Where a car door or gate of an automatic or continuous-pressure operation passenger elevator is closed by power, or is of the automatically released self-closing type, and faces a manually operated

or self-closing hoistway door, the closing of the car door or gate shall not be initiated unless the hoistway door is in the closed position; ~~and the~~. The closing mechanism shall be so designed that the force necessary to prevent closing of a horizontally sliding car door or gate from rest shall be not more than 30 pounds.

b. EXCEPTION: Where Paragraph 73.3(7) "a" does not apply when both of the following conditions are met:

(1) a A car door or gate is closed by power through continuous pressure of a door-closing switch, or of the car operating device, and

(2) where the The release of the closing switch or operating device will cause the car door or gate to stop or to stop and reopen.

ITEM 14. Amend subrule 73.3(12) as follows:

73.3(12) All automatic passenger elevators shall have their door open zones adjusted ~~to where~~ so that the door shall not open unless the car has stopped within 6 inches of floor level.

ITEM 15. Amend subrule 73.4(1) as follows:

73.4(1) Each freight elevator car shall have a solid enclosure ~~of~~ at least 66 inches in height. The space between the solid section and the car top shall be ~~covered~~ enclosed with solid material, or with perforated material, or lattice-type work latticework. ~~The~~ Where used, perforated material or latticework shall reject a ball 1½ inches in diameter. The portion of open-type enclosure which passes the counterweights shall be of solid construction the entire width of the counterweights plus 6 inches on either side. The enclosure top shall be provided with an emergency exit, except for hydraulic elevators with manual lowering valves. ~~EXCEPTION: Hydraulic elevators provided with a manual lowering valve.~~

ITEM 16. Amend subrule 73.4(2) as follows:

73.4(2) Each freight car enclosure shall have doors or gates at each entrance and shall be not less than 6 feet high. Each door or gate shall be constructed in accordance with ANSI A17.1, 1971, Rule 204.4, ~~or later editions of the ASME A17.1 code.~~

ITEM 17. Amend subrule 73.4(9) as follows:

73.4(9) Freight elevators shall not be permitted to carry passengers other than the operator and persons to load and unload material ~~and the operator.~~ ~~Permission may be granted to allow the carrying of employees on freight elevators.~~ ~~Application shall be submitted and may be approved by the commissioner after which conveyance shall be tested as determined by the commissioner.~~

ITEM 18. Amend rule 875—73.7(89A) as follows:

875—73.7(89A) Electrical switches protective devices.

73.7(1) to 73.7(3) No change.

73.7(4) ~~Tiller cable~~ Tiller-rope operations shall not be used unless all direction switches on controllers are mechanically operated. Contacts on direction switches shall be broken when the ~~cable~~ rope is at the centered position.

73.7(5) No change.

73.7(6) No person at any time shall make any required safety device or electrical protective device inoperative, except where necessary during tests, inspections or maintenance. Such devices shall be restored to their normal operating conditions as soon as all tests, inspections and maintenance have been completed. The conveyance shall not be left unattended while any of these devices are inoperative. To ensure that no jumpers are left behind, a counting system shall be utilized.

73.7(7) Each winding drum machine shall be provided with an electrical switch which shall disconnect power to the hoisting motor and brake when ~~cables~~ ropes are slackened.

73.7(8) ~~Any~~ No person ~~entering shall enter~~ an elevator pit for any reason ~~shall have the power to the elevator removed at the main line disconnect switch.~~ ~~The disconnect switch shall be red tagged to prevent the power from being placed back on the elevator controls.~~ ~~EXCEPTION: Elevators provided with a pit stop switch.~~ without disconnecting power to the equipment using the pit stop switch, lockout, tagout procedures, or other appropriate means of de-energization in accordance with 875—Chapters 2 to 26.

~~73.7(9) A fused disconnect means for all elevators shall be provided. Disconnect switch shall be located in the machine room and be readily accessible from the machine. Elevators having a polyphase AC power supply shall be provided with means to prevent the starting of the elevator drive motor or door motor if a reversal of phase rotation, or phase failure of the incoming polyphase AC power, will cause the elevator car or elevator door(s) to operate in the wrong direction.~~

73.7(10) All electrical equipment in the machine room shall be grounded and shall conform to ANSI C1-1975 (NFPA 70-1975).

73.7(11) All electrical wiring in the machine room and hoistway shall be enclosed in metal conduit, flexible conduit or metal raceways.

ITEM 19. Amend rule 875—73.8(89A) as follows:

875—73.8(89A) Maintenance, repairs and alterations.

73.8(1) *General.* All maintenance, repairs and alterations shall comply with ASME A17.1-2007/CSA B44-07 or ASME A17.7-2007/CSA B44-07, as applicable, except as noted in subrules 73.8(3) and 73.8(4). Rule 875—71.10(89A) describes alterations which require that the entire conveyance be brought into compliance with the most current code.

73.8(2) *Exemption for button numbering.* All maintenance, repairs and alterations to devices covered by ANSI A117.1 shall comply with ANSI A117.1 (2003), except for Rule 407.4.6.2.2.

73.8(3) *Sump pump exemption.* The provisions of ASME A17.1-2007/CSA B44-07 and ASME A17.1S-2005, Rule 2.2.2, that require a pit sump or drain shall not apply to an elevator alteration when all of the following criteria are met:

- a. No other code or rule requires that the pit be excavated or lowered.
- b. The alteration plans do not include the excavation or lowering of the pit floor for any other reason.
- c. ~~Evidence~~ There is evidence that groundwater has not entered the pit previously.
- d. The location and geology of the building indicate a likelihood that groundwater would enter the pit if the foundation or pit floor were breached to install the pit sump or drain.
- e. A description of alternative means to maintain the pit in a dry condition is provided to the labor commissioner with the alteration permit application.
- f. The labor commissioner approves the alternative means to maintain the pit in a dry condition.
- g. The alternative means to maintain the pit in a dry condition are installed or implemented as described in the alteration permit application.

73.8(4) *Pit excavation exemption.* The full length of the platform guard set forth in ASME A17.1-2007/CSA B44-07 and ASME A17.1S-2005, Rule 2.15.9.2(a), shall not be required if all of the following criteria are met:

- a. No other code or rule requires that the pit be excavated or lowered.
- b. The alteration plans do not include the excavation or lowering of the pit floor for any other reason.
- c. A full-length platform guard would strike the pit floor when the elevator is on its fully compressed buffer.
- d. The clearance between the bottom of the platform guard and the pit floor is 2.5 centimeters (1 inch) when the elevator is on its fully compressed buffer.

73.8(5) *Sprinkler retrofits and shunt trip breakers.* When a sprinkler is added to a hoistway or machine room, the conveyance shall comply with the following:

- a. The installation shall comply with the applicable version of ASME A17.1, Rule 2.8.3.3.
- b. The elevator controls shall be arranged to comply with the phase I fire recall provisions of the applicable version of ASME A17.1, Rule 2.27.3.
- c. The applicable version of ASME A17.1 shall be determined by reference to rule 875—72.1(89A). For purposes of rule 875—73.8(89A), the relevant subrule of 875—72.1(89A) shall apply based on the date the sprinkler is installed instead of the date the conveyance was installed.

73.8(6) *Safety bulkheads.*

- a. ASME A17.1-2007, Rule 8.6.5.8, requires either:

- (1) A safety bulkhead conforming to ASME A17.1-2007, Rule 3.18.3.4;
- (2) Car safeties conforming to ASME A17.1-2007, Rule 3.17.1, and guide rails, guide rail supports and fastenings conforming to ASME A17.1-2007, Rule 3.23.1; or
- (3) A plunger gripper conforming to ASME A17.1-2007, Rule 3.17.3, and set to grip when the applicable maximum governor tripping speed in ASME A17.1-2007, Table 2.18.2.1, is achieved.
- b. The deadline for compliance with ASME A17.1-2007, Rule 8.6.5.8, is July 1, 2011.
- c. Documentation from the manufacturer establishing that a safety bulkhead was installed shall establish compliance with this rule.

ITEM 20. Amend subrules 73.9(4) and 73.9(6) as follows:

73.9(4) Machine room floors shall be kept clean and free of grease and oil. Articles or materials not necessary for the maintenance or operation of the elevator shall not be stored therein. ~~Flammable liquids having a flash point of less than 110°F shall not be stored in the machine room.~~ Storage of any equipment or materials in elevator machine rooms other than equipment directly related to elevator operation is prohibited.

73.9(6) Where there is more than one machine in a room, each machine shall have a different number conspicuously marked on it. The controller, ~~disconnect switch~~ disconnecting means and relay panels for each machine shall be conspicuously numbered to correspond to the machine ~~it controls~~ they control.

ITEM 21. Rescind subrules **73.9(7)** to **73.9(9)**.

ITEM 22. Amend subrule 73.10(4) as follows:

73.10(4) Buffers shall be installed where elevator pits are not provided with buffers and where the pit depth will permit. Buffers shall comply with ANSI A17.1, 1971, Section 201, ~~or later editions of the ASME A17.1 code.~~

ITEM 23. Amend rule 875—73.13(89A) as follows:

875—73.13(89A) Wire ropes—hoisting, governor and tiller Means of suspension.

73.13(1) ~~All hoisting and governor ropes, when replaced, shall have rope tags. The tags shall provide the following information:~~

- ~~a. — The diameter in inches.~~
- ~~b. — The manufacturer's rated breaking strength.~~
- ~~c. — The grade of material used.~~
- ~~d. — The month and year ropes were installed.~~
- ~~e. — Whether preformed or nonpreformed.~~
- ~~f. — Construction classification.~~
- ~~g. — Name of person or firm who installed ropes.~~
- ~~h. — Name of manufacturer of ropes.~~

~~**73.13(2)** Wire ropes on drum-type machines shall be resocketed in compliance with ASME A17.1 (1999) code.~~

73.13(3) 73.13(1) Suspension ropes on drum-type machines shall have not less than one turn of the rope on the drum when the car is resting on the fully compressed buffers.

73.13(4) 73.13(2) Winding drum machines shall not be used unless they are provided with not less than two hoisting ropes. Each counterweight stack shall be provided with not less than two ropes.

73.13(5) 73.13(3) Tiller cables on cable-operated elevators shall be kept free of breaks.

73.13(6) 73.13(4) On tiller-cable operations, the cable shall pass through a guiding or stopping device mounted on the car. The cable shall be provided with adjustable stop balls and be provided with means to lock and hold the car at a floor. Stop balls at top and bottom shall be adjusted to automatically stop the car. The tiller cable shall be completely enclosed in the hoistway.

~~**73.13(7) 73.13(5)** All hoisting or counterweight ropes located outside of the hoistway that are exposed shall be covered with a box-type guard. The guard shall be not less than 6 feet high from floor level.~~

~~**73.13(8)** Hoisting, governor and tiller ropes shall not be lengthened or repaired by splicing.~~

~~73.13(9)~~ **73.13(6)** Suspension means of chains other than a roller chain type shall not be allowed. Any elevator suspended by a roller chain type shall not be used for the carrying of passengers. EXCEPTION: Handicapped restricted use elevators. Roller chains shall not be used as the suspension means for any conveyance except where specifically allowed by an applicable provision of ASME A17.1.

~~73.13(10)~~ **73.13(7)** Hoisting ropes for power elevators shall not be less than 3/8 inch in diameter.

~~73.13(11)~~ **73.13(8)** Hoisting rope fastening means shall be of the socket and babbiting type. Clamps shall not be used.

~~73.13(12)~~ Rope (cable) replacement. Hoisting, governor and tiller ropes shall be replaced when the ASME Inspection Manual for Electric Elevators A17.2.1 (1993), adopted here by reference, or later editions of the ASME A17.2.1 code, dictates they shall be changed.

ITEM 24. Amend subrule 73.14(4) as follows:

73.14(4) All safeties shall be adjusted so that clearances from the rail shall be in accordance with ANSI A17.1, 1971, Rule 1001.2, or later editions of the ASME A17.1 code.

ITEM 25. Amend rule 875—73.15(89A) as follows:

875—73.15(89A) Guide rails.

73.15(1) All guide rails and brackets whether of wood or steel shall be firmly and securely anchored or bolted in place. Where T rail is used, all fish-plate bolts shall be tight. This shall comply with ANSI A17.1, 1981, Section 200, or later editions of the ASME A17.1 code.

73.15(2) Where guide rails which are worn to such a point that proper clearance of safety jaws cannot be maintained, the worn sections shall be replaced to achieve clearances as specified in ANSI A17.1, 1971, Rule 1001.2, or later editions of the ASME A17.1 code.

ITEM 26. Amend subrules 73.17(1) and 73.17(8) as follows:

73.17(1) Hoistways shall be permanently enclosed. The enclosures shall conform to ANSI A17.1, 1971, Rule 401.1, or later editions of the ASME A17.1 code.

73.17(8) Operating devices and control equipment shall comply with ANSI A17.1, 1971, Rule 402.4, or later editions of the ASME A17.1 code.

ITEM 27. Rescind subrule 73.18(2) and adopt the following **new** subrule in lieu thereof:

73.18(2) A sign reading “Danger—Elevator Hoistway—Keep Closed” shall be mounted on each hoistway door. The letters on the signs shall be legible, shall be at least 2 inches high, and shall contrast with the background color.

ITEM 28. Amend rule 875—73.19(89A) as follows:

875—73.19(89A) Power-operated special purpose elevators.

73.19(1) to 73.19(3) No change.

73.19(4) Wiring shall comply with the requirements of the National Electrical Code, ANSI C1-1975 (NFPA 70-1975) or newer NFPA 70 codes.

73.19(5) Counterweights shall comply with rule 875—73.11(89A), or later editions of the ASME A17.1 code.

73.19(6) Hoistway doors shall comply with subrules 73.2(1), 73.2(7) and 73.2(11), or later editions of the ASME A17.1 code.

73.19(7) Cars shall be solidly constructed in accordance with subrules 73.12(1) and 73.12(2), or later editions of the ASME A17.1 code.

73.19(8) and 73.19(9) No change.

73.19(10) Guide rails shall comply with rule 875—73.15(89A), or later editions of the ASME A17.1 code.

73.19(11) The means and methods of suspension shall comply with subrules ~~73.13(1), 73.13(2), 73.13(3), 73.13(7), 73.13(8), 73.13(9), 73.13(10), 73.13(11), 73.13(12) and 73.13(13)~~, or later editions of the ASME A17.1 code 73.13(1), 73.13(5), 73.13(6), 73.13(7), and 73.13(8).

73.19(12) Electrical switches shall comply with subrules 73.7(2) and 73.7(9), ~~or later editions of NFPA 70.~~

73.19(13) Brakes shall comply with rule 875—73.5(89A), ~~or later editions of the ASME A17.1 code.~~

73.19(14) No change.

ITEM 29. Amend rule 875—73.21(89A), introductory paragraph, as follows:

875—73.21(89A) Handicapped restricted use elevators. All handicapped restricted use elevators must meet ANSI A17.1 (1981), Part V, ~~or later editions of the ASME code.~~ Permits will be reissued only for locations where other elevators do not exist and where the absence of the elevator would deprive a known group of physically disabled individuals use of the building. Additionally, the elevators shall comply with the following limitations:

ITEM 30. Rescind and reserve rules **875—73.23(89A)**, **875—73.25(89A)** and **875—73.26(89A)**.

ITEM 31. Rescind and reserve **875—Chapter 75** and **Chapter 76**.